



Paige SPEC

**P7341M-MP-GC-15000V
-XLP-PVC**

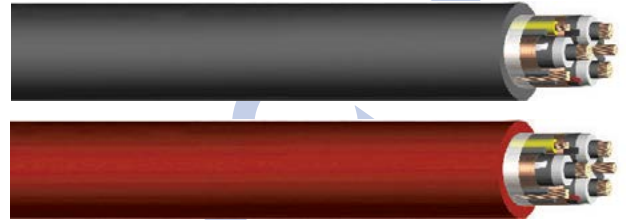
MINE POWER FEEDER CABLE XLP / PVC 90°C MSHA 15000V MINING GRADE

INSULATION: **XLP**

OUTER JACKET: **PVC**

SIZES: **4 -2 AWG**

UL 1072, ASTM B 8, ICEA S-75-381/NEMA WC58



1.0 APPLICATIONS:

- UL, CSA, MSHA
- ROHS compliant – Restriction of use of Hazardous Substances
- NEC Article 400 permitted use for specific applications.
- NFPA 70 permitted use in Hazardous Locations Classes I, II, III, Divisions 1 & 2 as outlined in Articles 501, 502, 503 section 140.
- Offered in European Harmonized BBJ <HAR> dual rating as SOOW/H07
- Meets UL's VW-1, CSA's FT-2 and MSHA's flame test requirements
- Listed for Outdoor Use as well as Continuous Submersion in Water.

3.0 CONSTRUCTION:

- 3.1 Conductors:**
Bare copper, concentric strand ASTM B 8.
- 3.2 Conductor Shield:**
Extruded semi-conducting compound.
- 3.3 Insulation:**
Cross-linked polyethylene (XLP) 90°C.
- 3.4 Insulation Shield:**
Extruded semi-conducting compound, copper tape 0.003.
- 3.5 Grounding Conductors:**
Bare copper Class B.

3.6 Ground Check:

Bare copper, ICEA S-75-381 sec 4.6; Yellow XLP 45mils insulation.

3.7 Cable Assembly:

Three power conductor, ground check and two non-insulated grounding conductors cabled together with rubber fillers to form round core; Estrofol binder tape applied overall.

3.8 Reinforcement:

Reinforcement applied over the assembly for mechanical strength.

3.9 Jacket:

Black flame retardant PVC, ICEA S-75-381 table 4-7.

3.10 Color Code:

Color code tape: black, white, red applied under metallic shielding tape provides circuit identification, ICEA S-75-381 sec 4.6.

4.0 APPROVALS:

- 4.1 MSHA:**
P-7K-254064-1
- 4.2 CSA:**
CSA certified product available.



5.0 5000V - 100% INSULATION LEVEL

Paige Part #	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approximate Weight		Ampacity(1) 40°C Ambient Temp
			Ground	Ground Check			inches	mm	lbs/1000 ft	kgs/km	
	AWG or MCM	No. of Stranding	AWG	AWG	inches	inches	inches	mm	lbs/1000 ft	kgs/km	inches
MPGC5KV2/0-3	2/0	19	3	8	0.090	0.110	1.81	46.0	2660	3970	243
MPGC5KV4/0-3	4/0	37	1	8	0.090	0.140	2.06	52.3	3760	5600	321
MPGC5KV2/0-3-RED	2/0	19	3	8	0.090	0.110	1.81	46.0	2660	3970	243

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

6.0 15000V - 100% INSULATION LEVEL

Paige Part #	Power Conductor Size	Power Conductor Stranding	Size		Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approximate Weight		Ampacity(1) 40°C Ambient Temp
			Ground	Ground Check			inches	mm	lbs/1000 ft	kgs/km	
	AWG or MCM	No. of Stranding	AWG	AWG	inches	inches	inches	mm	lbs/1000 ft	kgs/km	inches
MPGC15KV2/0-3	2/0	19	3	8	0.175	0.140	2.20	55.9	3190	4760	246
MPGC15KV4/0-3	4/0	37	1	8	0.175	0.140	2.45	62.2	4310	6430	325

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature